

ABSTRACT

An electronically controlled electrical power generator comprises a
5 generator driven by a heat engine, operated by control means, and carrying an
electrical load. Operation of the heat engine is at wide open throttle.
Control over engine operation and electrical output of the generator is
achieved by electronically manipulating the electric load, and/or adjusting
excitation levels at the generator's magnetic fields, so as to change
10 engine/generator equilibrium speed. In a beneficial embodiment, the
generator is powered by an energy storage unit, to temporarily act as a motor
and rotate the engine when starting, and during power absorbing strokes.